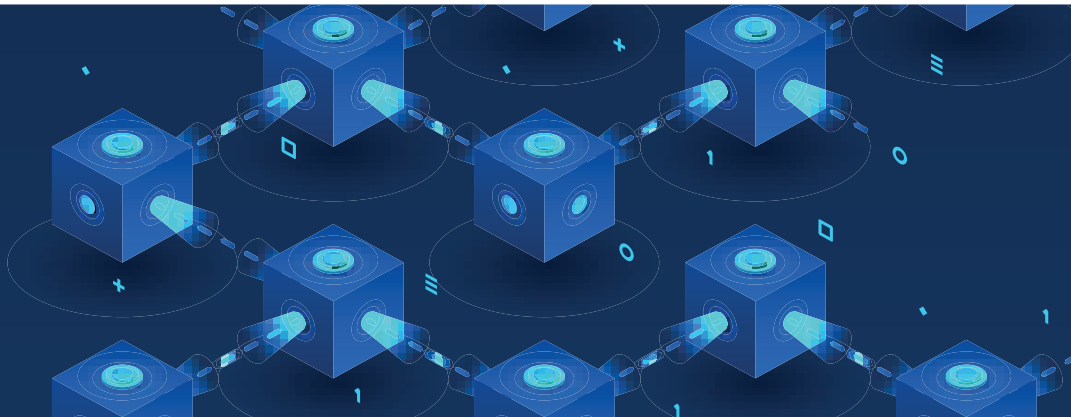Infosys®
Navigate your next

INFOSYS SOLUTION: FARM2FORK SMART SUPPLY CHAIN

Solution Overview

Imagine a supply chain network that is powered by cutting edge technologies and establishes Traceability, Trust and Transparency among the participants.

Infosys Farm2Fork smart supply chain is an innovative solution that helps the food industry track the farm-to-fork cycle, using the new digital innovation system, SAP Leonardo. Powered by ground breaking technologies IOT and BlockChain, solution shares real-time, immutable data across the supply chain participants eliminating trust and transparency issues of the traditional supply chain.

Challenges handled

Use of disconnected systems to process and share data resulting in absence of real time monitoring and alerts

Lack of visibility across the supply chain and failure to provide quality assurance to alternative buyers, substantially increasing distress inventory

Bleak authenticity and provenance information availability attracting counterfeit products to leak in

Manufacturer → Distributor → Logistics → Retail → Customer

Business benefits

• Real time inventory monitoring reduces product spoilage and return losses by over 70%

• Strong source of traceable information solves trust issues, facilitating coordination among participants

• Solution leverages the existing system hence no need to build the solution from scratch

• Minimized losses due to distress inventory by over 50% and product counterfeiting could be brought down significantly

Features offered

• Provenance information enabled by Blockchain

• Real-time track and trace of the products and condition monitoring

• Marketplace to buy/sell distress inventory

• Mobile App to provide product details to consumer and avoid counterfeit products

Technology used

• SAP Cloud Platform

• SAP Leonardo Blockchain

• SAP Leonardo IoT

• SAP S/4 HANA and HANA as Database

• SAP ECC

Internet of Things

Machine Learning

Cloud Application Services

Block Chain